Index to Volume 21

Abraham P, 861
Achilles tendon
  allograft for ACL reconstruction, 825
  rupture
    associated with medial malleolar fracture, 629
    percutaneous repair, 724
    treatment, operative versus nonoperative, 791
ACL
  avulsion from femoral origin in adult, 758
  deficient knee
    meniscal tears, 672
    reconstruction, 685
    role of the lateral extraarticular restraints, 257
    sagittal displacement, 389
    tibial displacement in closed and open kinetic chain exercise, 49
  elongation, effect of prophylactic bracing, 26
  ganglion cyst, 893
  injuries
    bone bruises
      articular and meniscal lesions, 551
      MRI evaluation of ACL injuries, 220
    intercondylar notch size, 535
    predictive value of radiographs, 110
  reconstruction
    Achilles tendon allograft, 825
    allograft
      reconstruction with high tibial osteotomy, 2
      versus autograft, 609
    arthroscopy versus open, 680
    autograft, evaluation by MRI, 523
    chronic ACL-deficient knee with meniscal tears, 779
    chronic deficient knees, 685
    combined MCL repair, 20
    Cybex effect on knee laxity, 690
    Dacron prosthesis, 358, 367, 374
    deterioration of patellofemoral articular surfaces, 206
    early return to activities, 243
    effect of rehabilitation and return to activity, 264
    extension block treated arthroscopically, 558
    fixation strength with interference screws, 880
    flexor-extensor strength, 285
    gait patterns after surgery, 887
    GORE-TEX ligament, femoral fracture, 147
    graft, isometric and tension measurements, 82
    graft tensioning, 572
    isometric placement of graft, 299, 832
    patellar tendon
      autograft, 277
      autograft versus allograft, 176, 738
      length change, 449
    patellofemoral pressure, patellar tendon autograft, 212
    pes anserine tendons, 249
    postoperative immobilization, 305
    restoration of osseous homeostasis, 748
    roofplasty for different tibial placement sites, 292
    tibial tunnel placement, 415
    timing of surgery, 338
    transligamentous approach, postoperative pain, 507
  repair, acute, 128
  rupture, partial meniscectomy, outcome in soccer players, 455
  strain, hamstring and quadriceps activity, 231
  tear, combined with iliotibial tract injury, 55
Acromioclavicular joint, arthroscopic resection for osteoarthritis, 71
Albright JP, 314
Alexander AH, 147, 887
Alfredsson L, 195
Allograft
  Achilles tendon for ACL reconstruction, 825
  ACL, versus autograft, 609
  ACL reconstruction, 176
  meniscal tissue, cell survival, 540
  sterilization and HIV transmission, 170
Almekinders LC, 510
Anabolic steroids
  current concepts, 468
  editorial, 337
Andersen AJ, 619
Anderson AF, 490
Anderson IF, 591
Anderson TE, 551
Andrews JR, 61
Andrish JT, 551
Animal studies
  goat
    ACL allograft versus autograft, 176
    meniscal allograft, cell survival, 540
  rabbit
    muscle strain injury, 190
    postoperative immobilization ACL reconstruction, 305
    thermal effects on muscle tensile behavior, 517
Ankle
  articular cartilage lesions with lateral ligament injury, 120
  EMG analysis in runners, 805
  injuries
    lateral ligaments, 120
    peroneal tendon rupture, 354
  instability, effects of ankle orthosis, 224
  lateral ligaments, arthrography for diagnosis, 343
  orthosis, influence on talar and calcaneal motions, 224
  osteochondral lesions of the talus, 13
  sprain
    high- versus low-top shoes for prevention in basketball, 582
    MRI evaluation, 528
  surgical approach to posteromedial, 144
  synovial impingement treated arthroscopically, 186
Announcements, 165, 333, 487, 636, 766, 904
AOSSM society news
  annual meeting announcement, 163, 332, 486, 635, 765, 899
  annual meeting report, 899
  course announcement, 332, 486, 899
  current concepts for the team physician course, 163, 899
  interim meeting, announcement, 332
  meetings, 1994 schedule, 765, 899
  preparticipation physical evaluation monograph, 332, 486, 635, 765, 899
  presidential address, 1993 (Bergfeld), 770
  research grants announcement, 163
  transpacific meeting with JOSSM, 163

Index to Volume 21

Abraham P, 861
Achilles tendon
  allograft for ACL reconstruction, 825
  rupture
    associated with medial malleolar fracture, 629
    percutaneous repair, 724
    treatment, operative versus nonoperative, 791
ACL
  avulsion from femoral origin in adult, 758
  deficient knee
    meniscal tears, 672
    reconstruction, 685
    role of the lateral extraarticular restraints, 257
    sagittal displacement, 389
    tibial displacement in closed and open kinetic chain exercise, 49
  elongation, effect of prophylactic bracing, 26
  ganglion cyst, 893
  injuries
    bone bruises
      articular and meniscal lesions, 551
      MRI evaluation of ACL injuries, 220
    intercondylar notch size, 535
    predictive value of radiographs, 110
  reconstruction
    Achilles tendon allograft, 825
    allograft
      reconstruction with high tibial osteotomy, 2
      versus autograft, 609
    arthroscopy versus open, 680
    autograft, evaluation by MRI, 523
    chronic ACL-deficient knee with meniscal tears, 779
    chronic deficient knees, 685
    combined MCL repair, 20
    Cybex effect on knee laxity, 690
    Dacron prosthesis, 358, 367, 374
    deterioration of patellofemoral articular surfaces, 206
    early return to activities, 243
    effect of rehabilitation and return to activity, 264
    extension block treated arthroscopically, 558
    fixation strength with interference screws, 880
    flexor-extensor strength, 285
    gait patterns after surgery, 887
    GORE-TEX ligament, femoral fracture, 147
    graft, isometric and tension measurements, 82
    graft tensioning, 572
    isometric placement of graft, 299, 832
    patellar tendon
      autograft, 277
      autograft versus allograft, 176, 738
      length change, 449
    patellofemoral pressure, patellar tendon autograft, 212
    pes anserine tendons, 249
    postoperative immobilization, 305
    restoration of osseous homeostasis, 748
    roofplasty for different tibial placement sites, 292
    tibial tunnel placement, 415
    timing of surgery, 338
    transligamentous approach, postoperative pain, 507
  repair, acute, 128
  rupture, partial meniscectomy, outcome in soccer players, 455
  strain, hamstring and quadriceps activity, 231
  tear, combined with iliotibial tract injury, 55
Acromioclavicular joint, arthroscopic resection for osteoarthritis, 71
Albright JP, 314
Alexander AH, 147, 887
Alfredsson L, 195
Allograft
  Achilles tendon for ACL reconstruction, 825
  ACL, versus autograft, 609
  ACL reconstruction, 176
  meniscal tissue, cell survival, 540
  sterilization and HIV transmission, 170
Almekinders LC, 510
Anabolic steroids
  current concepts, 468
  editorial, 337
Andersen AJ, 619
Anderson AF, 490
Anderson IF, 591
Anderson TE, 551
Andrews JR, 61
Andrish JT, 551
Animal studies
  goat
    ACL allograft versus autograft, 176
    meniscal allograft, cell survival, 540
  rabbit
    muscle strain injury, 190
    postoperative immobilization ACL reconstruction, 305
    thermal effects on muscle tensile behavior, 517
Ankle
  articular cartilage lesions with lateral ligament injury, 120
  EMG analysis in runners, 805
  injuries
    lateral ligaments, 120
    peroneal tendon rupture, 354
  instability, effects of ankle orthosis, 224
  lateral ligaments, arthrography for diagnosis, 343
  orthosis, influence on talar and calcaneal motions, 224
  osteochondral lesions of the talus, 13
  sprain
    high- versus low-top shoes for prevention in basketball, 582
    MRI evaluation, 528
  surgical approach to posteromedial, 144
  synovial impingement treated arthroscopically, 186
Announcements, 165, 333, 487, 636, 766, 904
AOSSM society news
  annual meeting announcement, 163, 332, 486, 635, 765, 899
  annual meeting report, 899
  course announcement, 332, 486, 899
  current concepts for the team physician course, 163, 899
  interim meeting, announcement, 332
  meetings, 1994 schedule, 765, 899
  preparticipation physical evaluation monograph, 332, 486, 635, 765, 899
  presidential address, 1993 (Bergfeld), 770
  research grants announcement, 163
  transpacific meeting with JOSSM, 163

traveling fellow report, 161
traveling fellowship announcement, 163
Aqua running
cadence as a measure of exercise prescription, 45
maintenance training for runners, 41
Army training, risk of injury, 705
Arrigo CA, 61
Arthrography, ankle, lateral ligament ruptures, 343
Arthrometer, KT-1000 accuracy, 744
Arthroscopy
ACL reconstruction
early results, 680
MRI evaluation, 523
pes anserine tendons, 249
ankle, synovial impingement, 186
knee
effects of nonsteroidal antiinflammatory drugs, 510
extension block after ACL reconstruction, 558
pain profiles after surgery, 503
pneumoperitoneum from carbon dioxide use, 623
meniscal repair, 755, 864
partial meniscectomy, 432
resection for osteoarthritis of the AC joint, 71
shoulder
Bankart suture repair, 348
capsulolabral repairs, 656
glenoid labral tears, 425
superior labral detachment lesion repair, 783
Articular cartilage lesions in ankles with lateral ligament injury, 120
Asselmeier MA, 170
Austin KS, 864
Autograft
ACL, versus allograft, 609
ACL reconstruction, 176, 277

Badminton injuries, posttraumatic digital ischemia, 890
Ballet injuries
base of the second metatarsal, overuse, 591
epidemiology, 586
long thoracic nerve palsy, 626
Banas MP, 666
Bankart lesion
arthroscopic repair, 348
fixation, suture strength, 874
Barber SD, 2
Barber-Westin SD, 264
Barrack RL, 887
Barrett GR, 367
Barrett JR, 582
Barron JL, 629
Baseball, pitchers, isokinetic shoulder rotational strength, 61
Basketball
high- versus low-top shoes for prevention of ankle sprains, 582
injuries, tibiofibular synostosis, 619
Bassett FH III, 144, 354
Beckham SG, 36
Bell GD, 604, 690
Berg AT, 854
Bergfeld JA, 551, 770, 895
Berns GS, 292
Berstein DB, 825
Best TM, 517
Beynnon BD, 26, 82
Biceps tendon
rupture, distal, surgical repair, 114
tenodesis, 400
Bickerstaff D, 672
Bigliani LU, 425
Billys JB, 144
Biomechanics, patellar tendon graft strength, 818

Bladin C, 701
Blanc RO, 475
Blasier RB, 147
Body building injuries
distal biceps tendon rupture, 114
osteolysis of the distal clavicle, 150
Bokor DJ, 128
Bolano LE, 432
Bollen SR, 751
Bone bruises
MRI evaluation of ACL injuries, 220, 551
Bottenfield S, 170
Bourne MH, 623
Bourre Y, 861
Bovee MW, 705
Bowman RR, 832
Boxers, chronic brain damage in amateurs, 97
Boyum GP, 326
Brachial plexopathy, 650
Brain injuries, boxing, 97
Breazile JE, 36
Brennan D, 45
Brenner SL, 599
Bristow procedure, modification, 666
Brown CH Jr, 880
Brown DL, 490
Brunet MF, 445
Buckley PD, 36, 348
Bucknell AL, 482
Burks RT, 20
Burnham RS, 238
Burstein AL, 818

Caldwell KM, 55
Carbon dioxide, pneumoperitoneum from use in knee arthroscopy, 623
Carmichael SW, 623
Caro LD, 890
Cartilage lesions, ankles with lateral ligament injury, 120
Caspari RB, 170
Cavanaugh JT, 850
Cell survival, allograft meniscal tissue, 540
Cervical spine
herniated discs, association with athletic activities, 854
spear tackler's spine, 640
Cetti R, 791
Chandler RW, 114
Chevalier J-M, 861
Chew MH, 748
Chondral defects, associated with PCL injury, 846
Christensen S-E, 791
Clarke NMP, 617
Clavicle, osteolysis in a female body builder, 150
Claypool PL, 36
Clinical examination of the knee, accuracy documented by arthroscopy, 773
Clinical notes
hydrotherapy in shoulder rehabilitation, 850
surgical approach to the posteromedial ankle, 144
Coghlan BA, 617
Cohen S, 338
Collins CE, 49
Colville MR, 832
Compartment pressure
measurement during exercise, 36
posterior lower leg, surgical management, 811
Computed tomography, muscle strain, 89
Conroy B, 394
Cook DA, 220
Cook SD, 445
Cooney T, 13

Cooper DE, 818
Corbett M, 811
Cordasco FA, 425
Corzatt RD, 893
Cothren CC, 619
Covall DJ, 338
Cowan DN, 705
Crichton KJ, 591, 751
Cross MJ, 128, 751
Cummings J, 407
Cummings JF, 176
Cummings JS, 257
Curl WW, 650
Current concepts, anabolic steroids and growth hormone, 468
Curtis MJ, 497
Cybex evaluation, effect on knee laxity, 690
Cycling
  compartment pressure measurements, 36
  iliotibial band syndrome, 419
  maintenance training for runners, 41
Cyclist, external iliac artery endofibrosis, 861
Cyst, meniscus after arthroscopic repair, 755

D'Agata SD, 212
D'Alessandro DF, 114
Dacron, ACL prosthesis for chronic tears, 358, 367, 374
Dalinka MK, 153
Dalldorf PG, 666
Dalton JD Jr, 190
Daniel DM, 231
Daus GP, 321
Day L, 850
de Jongh HR, 711
De Smet AA, 220
DeAvilla N, 461
Dee PM, 528
DeHaven KE, 666
DeJour D, 455
DeJour H, 455
Del Pizzo W, 249
DeMasi RA, 510
Deng XH, 818
Di Benedetto M, 650
Dillingham MF, 438
Disher J, 744
Dislocation, double, finger, 323
Donell ST, 455
Draganich LF, 212
Drake C, 582
Drez D Jr, 321
Dye SF, 748

Ebben JR, 836
Echography, external iliac artery endofibrosis in cyclist, 861
Editorials
  Anabolic steroids—round 4, 337
  Ed re inits, 639
  Stop the whining, 769
  Storm warnings, 489
  The AIDS dilemma, 169
  The "sport" of boxing, 1
Egund N, 389
Ejsted R, 791
Ekeland A, 201
Elattrache N, 157
Elbow
  EMG analysis, tennis, 394
  subcutaneous transfer of the ulnar nerve, 836
EMG analysis
  elbow function in tennis players, 394
  golfer's trunk, 385
  muscle firing patterns in runners, 805
Epidemiology
  ballet injuries, 586
  fitness club injuries, 461
  ice hockey injuries, 78
  rugby injuries, 696
  snowboarding injuries, 701
Erber DJ, 61
Erickson AR, 26
Eriksson E, 97
Esformes I, 599
Esterhai JL, 153
Evans PJ, 604
Exercise
  aqua running, exercise prescription, 45
  closed kinetic versus open kinetic in ACL-deficient knees, 49
  role of warmup in injury prevention, 711
External iliac artery endofibrosis in cyclists, 861
Eyestone ED, 41

Fabry G, 753
Fadale PD, 157
Falconiero R, 478
Fasciotomy, management of exertional compartment syndrome, 811
Fellingham G, 41
Femoral fracture after ACL reconstruction with prosthetic graft, 147
Fenton RM, 582
Field LD, 783
Finger, dislocation of both interphalangeal joints, 323
Fischer DA, 680, 825
Fisher AG, 41
Fisher C, 13
Fisher SE, 558
Fitness, running versus water running and cycling, 41
Fitness activities, injuries in adults, 461
FitzGibbons RE, 724
Flatow EL, 425
Fleming B, 82
Flexor hallucis longus tendon rupture, marathon runner, 617
Fluoroscopy, disruption of the fifth metatarsophalangeal sesamoid bones, 895
Foot
  injuries, acute disruption fifth metatarsophlangeal sesamoid bones, 895
  overuse injury to the second metatarsal in ballet, 591
  tarsometatarsal joint injury, 497
Football injuries
  brachial plexus, 650
  cervical spine, 640
  pectoralis major muscle rupture, 475
  thoracic spine fracture, 157
Fowler P, 285
Fox JM, 249
Fracture
  avulsion, proximal phalanx, 800
  femur after ACL reconstruction with prosthetic graft, 147
  Jones, percutaneous screw fixation, 720
  medial malleolus associated with Achilles tendon rupture, 629
  refracture of the radius and ulna in a gymnast, 753
  scaphoid, weight lifter, 329
  spine in a football player, 157
  stress, see stress fracture
Frank C, 604
Freeman TR, 535
Freiberg's infraction, surgical treatment, 381
Fridén T, 389
Friedman MJ, 249
Fritschy D, 231
Fu FH, 157, 475, 738
Fuller D, 582
Fung T, 690
Furuya K, 299, 305

Gabriel JP, 243
Gait analysis of patients after ACL reconstruction, 887
Ganglion cyst of the ACL, 893
Garrett WE Jr, 89, 190, 517
Garrick JG, 461, 586
Gartsman GM, 71
Gates HS III, 144
Geissler WB, 846
George J, 41
Gertel TH, 572
Gerth PK, 277
Giangarra CE, 394
Gibbs N, 696
Giddings P, 701
Gillquist J, 358
Glasgow MT, 243
Glasgow SG, 243, 640
Glenoid
  labral tears, arthroscopic treatment, 425
  posttraumatic changes in a handball player, 153
Goitz HT, 528
Goldberg BJ, 656
Golden AL, 854
Goldie I, 195
Goldstein JD, 176
Golf, EMG analysis of the trunk muscles, 385
GORE-TEX ligament, femoral fracture after ACL reconstruction, 147
Gracilis tendon harvesting, 565
Graf BK, 220, 415
Graft
  ACL, isometric versus tension measurements, 82
  tensioning, effect of direction, magnitude, and angle, 572
Grana WA, 36, 348, 432
Grauer JD, 400
Greenan TJ, 153
Grood ES, 176, 257, 407
Gross MJ, 599
Gymnastic injuries
  Achilles tendon rupture with medial malleolar fracture, 629
  refracture of the radius and ulna, 753
  women, 271, 314

Hagiwara A, 755
Haglund Y, 97
Hammer syndrome, badminton player, 890
Hamstrings, an ACL protagonist, 231
Hand injuries, posttraumatic digital ischemia in a badminton player, 890
Handball injuries, posttraumatic changes in posterior glenoid and labrum, 153
Harner CD, 738
Harrington T, 591
Harris JMcA, 705
Hasegawa A, 755
Haut HA, 468
Hayes WC, 874, 880
Hayhurst JO, 874
Health club activities, injuries in adults, 461
Hechtman KS, 523
Hecker AT, 874, 880
Hefferon J, 724
Hellström M, 841
Henderson JM, 257
Henderson RC, 510
Henry JH, 619
Herniated discs, association with athletic activities, 854
Highgenboten CL, 503
Hill J, 724
Hill JA, 438
Hintermann B, 800
Hip, osteoarthrosis relationship to sports, 195
Hipp JA, 880
Hlobil H, 711
Hogstedt C, 195
Holmes JC, 419
Holtmoen A, 201
Holzach PJ, 800
Horibe S, 206, 609
Hosea T, 854
Hovis WD, 490
Howell SM, 292
Hughston JC, 55, 773
Human growth hormone, current concepts, 468
Human immunodeficiency virus, transmission by allografts, 170
Hunter RE, 572
Hydrotherapy, shoulder rehabilitation, 850

Ice hockey injuries, epidemiology, 78
Iliotibial friction syndrome, 419
Iliotibial tract injury, abnormal tibial displacement with acute ACL tears, 55
Immobilization, effect on ACL reconstruction, 305
Injuries
  badminton, see badminton
  fitness club activities, 461
  military training, 705
  sports, Ireland, 137
Inman WS, 887
Inoue G, 323
Inoue M, 120, 206, 609
Intercondylar notch
  ACL injuries, 110
  ACL tears, 535
Ireland, sports injuries, incidence, 137
Ishibashi T, 299
Isometric placement
  ACL, 299
  ACL graft, 832
Isometric versus tension measurements in ACL grafts, 82

Jackson AW, 503
Jackson DW, 176, 540
Jacobsson B, 841
Jensen NM, 791
Jobe FW, 385, 394
Johnson DL, 475
Johnson GE, 779
Johnson RJ, 26, 82
Johnson WL, 893
Jones BH, 705
Jones fracture, outpatient percutaneous screw fixation, 720
Jorgensen U, 791

Karlsson L, 841
Karras BT, 231
Kärrholm J, 224
Kaufman KR, 438
Kawasaki RI, 582
Keene GCR, 672
Keene JS, 220, 415
Keirns MA, 61
Keller PM, 132
Kelsey JL, 854
Kemper HCG, 711
Kimura M, 755
Kino Y, 323
Kirschner wire migration, 321
Klaaren H, 381
Knee
  anterior-posterior displacement after ACL reconstruction, 264
  brace, see below
  clinical examination, accuracy, 773
  extension block after ACL reconstruction, 558
  flexor-extensor strength after ACL reconstruction, 285

ganglion cyst of the ACL, 893
intercondylar notch size and ACL injuries, 535
intraarticular changes associated with PCL injuries, 846
lateral extraarticular restraints in ACL-deficiency, 257
laxity
Cybex testing effect, 690
KT-1000 accuracy, 744
ligament repair, harvesting the semitendinosus and gracilis, 565
McMurray test, accuracy in diagnosing meniscal tears, 604
motion, return after ACL reconstruction and MCL repair, 20
osseous metabolic activity in ACL-deficient knees, 748
patellar motion limits, 728
patellofemoral stress during exercise, 438
posterolateral instability, biceps tendon tenodesis, 400
range of motion, tibial tunnel placement for ACL reconstruction, 415
surgery, pain profiles after arthroscopy, 503
Knee brace
prophylactic
biomechanics, loading response, 26
joint position and muscle activation, 733
Kober R, 321
Kocher MS, 738
Koga Y, 890
Kondo K, 323
Kowalk DL, 744
Kramer J, 285
KT-1000, accuracy in measurement of knee laxity, 744
Kurzweil PR, 176

Labrum
arthroscopic repair of superior detached lesions, 783
posttraumatic changes in a handball player, 153
Lane-Larsen CL, 326
Lange RH, 415
Leach RE, 1, 169, 337, 489, 639, 769
Leftheriotis G, 861
Leg
injuries, skiing, equipment related, 201
pain, exertional compartment syndrome, 811
strength, plyometric training with the Strength Shoe, 445
Lephart SM, 738
Letters to the Editor, 164, 632, 762, 898
Leventhal MR, 640
Lew WD, 572
Lewis JL, 572
Ligament
augmentation device, knee flexor-extensor strength, 285
repair, harvesting the semitendinosus and gracilis, 565
Lindstrand A, 389
Line LL Jr, 367
Linn RM, 825
Lipscomb AB Jr, 490
Lloyd-Smith R, 13
Löfvenberg R, 224
Lohnes J, 89
Long thoracic nerve palsy, ballet dancer, 626
Loomer R, 13
Loubert P, 744
Lowe R, 690
Lumbar herniated discs, association with athletic activities, 854
Lystad H, 201

Maeda A, 120
Magnetic resonance imaging
ankle, lateral ligament injury, 528
arthroscopic ACL reconstruction, 523
bone bruises with ACL injuries, 220
muscle strain, 89
osseous, articular, and meniscal lesions with ACL injuries, 551
pectoralis major muscle rupture, 475
Maitland ME, 690
Mannarino F, 381
Manning JO, 367
Markel MD, 438
Markey KL, 650
Markman AW, 680
Markoff KL, 400
Martini D, 811
Mass D, 329
Matter P, 800
Matthews LS, 150
May L, 238
Maywood RM, 523
McCarroll JR, 132
McConnell JP, 656
McCue FC III, 528
McLeod WD, 82
McMaster WC, 67
McMurray test, accuracy in diagnosing meniscal tears, 604
Medendorp SV, 551
Medial collateral ligament
elongation, effect of prophylactic bracing, 26
injury, effect on ACL repair, 128
with combined ACL injury, 20
Medial malleolus stress fracture, 478
Meeks LW, 874
Meislin RJ, 186
Meisterling RC, 326
Meniscal repair
staged operation in chronic ACL-deficient knees, 779
surgical technique, 870
Meniscal tear
ACL-deficient knees, 672
associated with PCL injury, 846
complications with arthroscopic repair, 864
cyst after arthroscopic repair, 755
McMurray test, accuracy in diagnosis, 604
Meniscectomy
partial
arthroscopic, 432
soccer players with ruptured ACL, 455
Meniscus
allograft cell survival, 540
cyst after arthroscopic meniscal repair, 755
Meske NB, 503
Metatarsal, overuse injury in ballet, 591
Metatarsophalangeal
joint injuries, Freiberg's infraction, 381
sesamoid bones in the fifth, 895
Military, risk of injury in trainees, 705
Miller MD, 475
Mindrebo N, 720
Montelpare WJ, 78
More RC, 231
Mulier T, 753
Mundt DJ, 854
Muneta T, 299, 305
Murphy BJ, 523
Muscle
EMG analysis
ankle in runners, 805
trunk in golfers, 385
function in knees with prophylactic braces, 733
strain
injury, functional and structural deficits, 190
radiographic imaging, 89
strength
knee flexors and extensors after ACL reconstruction, 285
shoulder rotators in pitchers, 61
thermal effects on tensile behavior, 517

Myers ER, 874, 880
Myerson M, 497

Nakagawa S, 206, 609
Nakata K, 120, 609
Neck injuries, spear tackler's spine, 640
Neiman R, 231
Nelson E, 238
Nelson WE, 510
Nerve impingement, tibial spine fixation screw, 326
Neurologic damage in boxers, 97
Newman AP, 20, 271
Newton BB Jr, 321
Neyret P, 455
Nirschl RP, 656
Nonsteroidal antiinflammatory drugs, effect on patients with knee arthroscopy, 510
Noonan TJ, 517
Northeast Collaborative Group on Low Back Pain, 854
Norwig ED, 490
Norwood LA, 55
Noyes FR, 2, 257, 264, 407
Nusca D, 285

Oberlander MA, 773
O'Brien SJ, 565
Odensten M, 358
Omey ML, 445
Orthosis, brachial plexus injury, 650
Osseous metabolic activity in ACL-deficient knees, 748
Osteoarthritis, AC joint treated by arthroscopic resection, 71
Osteoarthrosis of the hip, relationship to sports, 195
Osteochondral lesions, talus, 13
Osteolysis, distal clavicle in a female body builder, 150
Osteotomy, tibial and ligament reconstruction in ACL-deficient knee, 2
Osternig LR, 733

Pagnani MJ, 565
Pain
  after ACL reconstruction using transligamentous approach, 507
  profiles after arthroscopic knee surgery, 503
Panjabi MM, 854
Parisien JS, 186
Pastides H, 854
Patella, motion limits, 728
Patellar tendon
  allograft versus autograft for ACL reconstruction, 176
  graft, strength, 818
  length change after ACL reconstruction, 449
  ligamentization process in ACL reconstruction, 277
  use in ACL reconstruction, quadriceps strength, 738
Patellofemoral joint
  contact pressures after ACL reconstruction, 212
  deterioration after ACL reconstruction, 206
  stresses during exercise, 438
Paterson RS, 672
Pavlov H, 640
PCL
  injuries, associated intraarticular abnormalities, 846
  posterior subluxations of the tibiofemoral compartments, 407
  reconstruction, isolated, 490
  ruptures, nonoperative treatment, 132
Pearsall AW, 212
Pectoralis major muscle rupture, MRI for early diagnosis, 475
Pelletier RL, 78
Percutaneous Achilles tendon repair, 724
Percutaneous screw fixation for Jones fracture, 720
Peroneal tendon, rupture, 354
Perry J, 385, 394, 805
Pettrone FA, 656
Phelps R, 367
Physical fitness, risk of injury in army trainees, 705
Pink M, 385, 394, 805
Piraino DW, 551
Plyometrics, leg strength after use of the Strength Shoe, 445
Pneumoperitoneum, complication of carbon dioxide in knee arthroscopy, 623
Pope MH, 26, 82
Porter DA, 870
Posterolateral instability, 407
Pruitt AL, 419
Puranen J, 343

Quadriceps
  muscle activity affecting gait after ACL reconstruction, 887
  strength after ACL reconstruction with patellar tendon autograft or allograft, 738
Quesada PM, 887
Quick DC, 825

Raab DJ, 680
Raatikainen T, 343
Radius, refracture in a gymnast, 753
Rae PJ, 672
Reber L, 805
Rehabilitation
  anterior-posterior displacement after ACL reconstruction, 264
  shoulder by hydrotherapy, 850
Reid DC, 238
Reider B, 212, 329, 478
Requa RK, 461, 586
Rettig AC, 132, 720, 836
Richmond BJ, 551
Richmond JC, 374
Rijke AM, 528
Robertson RN, 733
Robins AJ, 20
Robinson DG, 751
Robinson M, 701
Romano VM, 415
Roofplasty, tibial graft placement in ACL reconstruction, 292
Rose DJ, 186
Rosen MA, 176
Rotator cuff, tears, fixation, suture strength, 874
Rougraff B, 277
Rugby injuries, incidence and severity, 696
Running
  aqua running exercise prescription, 45
  compartment pressure measurements, 36
  injuries
    flexor hallucis longus tendon rupture, 617
    prevention by warm-up and cool-down exercises, 711
  maintenance of fitness with cycling or water running, 41
  muscle firing patterns, 805

Sakai H, 299, 305
Sands WA, 271
Sapega AA, 243
Saumet J-L, 861
Savoie FH III, 783
Scaphoid waist fracture, weight lifter, 329
Scapular winging, long thoracic nerve palsy in a ballet dancer, 626
Schepsis AA, 811
Schickendantz MS, 110
Schils JP, 551
Schotte DE, 45
Schultz G, 445
Schütz M, 800
Scully TJ, 758
Seaber AV, 190, 517
Sebastianelli WJ, 666
Seki T, 890
Semitendinosus tendon harvesting, 565

Sennett B, 640
Sesamoid bones, disruption of the fifth metatarsophalangeal, 895
Sgaglione NA, 249
Shaffer BS, 449
Shalvoy RM, 773
Sharkey PF, 887
Shea M, 874
Shelbourne KD, 132, 277, 558, 685, 720, 779, 870
Shelton WR, 367
Sherman OH, 864
Shields CL, 114
Shino K, 120, 206, 609
Shoes, high- versus low-top for prevention of ankle sprains in basketball, 582
Shoulder
  Bankart repair, arthroscopic, 348
  glenoid labral tears, arthroscopic treatment, 425
  impingement syndrome, muscle imbalance in wheelchair athletes, 238
  instability
    arthroscopy, 656
    Bristow procedure, 666
    pull-out strength of suture anchors for repair, 874
    weight lifters, 599
  labral tears, arthroscopic repair of superior detached lesion, 783
  osteoarthritis of the AC joint, 71
  pain
    swimmers, 67
    wheelchair athletes, 238
  rehabilitation, hydrotherapy, 850
  strength of rotator muscles in pitchers, 61
Shultz BB, 271
Simon R, 2
Simon TM, 176, 540
Simonson BG, 150
Sisler J, 13
Skalley TC, 728
Skier's thumb, 800
Skiing injuries
  comparison to snowboarding injuries, 701
  equipment-related, 201
Skinner HB, 887
Sklar J, 854
Smith JP, 680, 825
Snowboarding injuries, 701
Soccer injuries, partial meniscectomy, effect of ACL rupture, 455
Solheim E, 507
Sonzogni JJ, 599
Sorrenti SJ, 128
Souryal TO, 535
Spear tackler's spine, 640
Speer KP, 89, 354, 850
Spindler KP, 551
Spine
  fracture, thoracic, in a football player, 157
  herniated discs, association with athletic activities, 854
  vertebral ring apophysis injury, 841
Sports-related injuries, Ireland, 137
Springer S, 186
Sproul J, 381
Stannard JP, 482
Stark RM, 78
Steadward R, 238
Steinkamp LA, 438
Steinmann S, 425
Sternoclavicular joint stabilization, K-wire migration, 321
Steroids, effect of local injection on tendon, 482
Steubs JA, 680
Stewart NJ, 572
Stewart S, 690
Stowers SF, 407
Strand T, 507
Strength characteristics of rotator muscles in pitchers, 61
Strength Shoe, lower leg strength and flexibility, 445
Stress fracture
  medial malleolus, 478
  tibial, resulting in tibiofibular synostosis, 619
  ulna in tennis players, 751
Strong ankle orthosis, 224
Surgical techniques, meniscal repair, 870
Suture anchor, pull-out strength in Bankart and rotator cuff repair, 874
Swärd L, 841
Swimming, shoulder pain, 67
Synovial impingement, ankle, 186
Szura B, 497

Taft TN, 510
Taga I, 120
Takakuda K, 305
Talus injuries, 13
Tanji JL, 582
Tarsometatarsal joint injury, 497
Taylor DC, 190
Teitge RA, 728
Temperature, effect on muscle tensile behavior, 517
Tennis
  EMG analysis, elbow, 394
  injuries, ulna stress fractures, 751
Ternes JP, 147
Terry GC, 55, 728
Thaete FL, 475
Thoracic spine fracture, football player, 157
Thumb injuries, ulnar collateral ligament, 800
Tibia
  plateau, posterior subluxations, 407
  spine fracture, nerve impingement from fixation screw, 326
  tunnel placement, ACL reconstruction, 415
  type III fracture associated with ACL avulsion from femur, 758
Tibiofibular synostosis, stress fracture of the tibia, 619
Tibone JE, 114, 449
Timoney JM, 887
Torg JS, 243, 640
Triceps tendon rupture, steroid injections, 482
Troup J, 67

Uhorchak JM, 758
Ulna
  refracture in a gymnast, 753
  stress fracture, 751
Ulnar artery occlusion at the hamate bone in a badminton player, 890
Ulnar collateral ligament, thumb injuries, 800
Ulnar nerve, anterior subcutaneous transfer, 836
Uribe JW, 523

Van Ginkel LA, 407
van Mechelen W, 711
Van Meter CD, 720
Vertebral ring apophysis injury, 341
Victor J, 753
Vingård E, 195
Voorn WJ, 711

Wadley GH, 314
Ward WG, 895
Warm-up, prevention of running injuries, 711
Warner J, 277
Warner JJP, 565
Warren RF, 565, 818, 850
Wascher DC, 400
Wasilewski SA, 338
Watson AWS, 137

Watson RC, 623
Webster-Bogaert S, 285
Weight lifting injuries
  distal biceps tendon rupture, 114
  scaphoid waist fracture, 329
  shoulder instability, 599
Weiker GG, 110, 551
Whalen NJ, 419
Wheelchair athletes, shoulder pain, 238
Whelan J, 40
Whieldon TJ, 49
Whipple TL, 846
White PM III, 758
White SM, 626
Wickiewicz TL, 850
Wilckens JH, 685
Wilder RP, 45
Wilk KE, 61
Wilk RM, 374
Witten CM, 626
Wojtys EM, 744
Wolfe MW, 445
Wolock BS, 150
Women, gymnastics injuries, 271, 314
Woo SL-Y, 231
Wootton JR, 128
Wroble RR, 257

Yack HJ, 49
Yamamoto H, 299, 305
Yasuda K, 26
Yates CK, 348
Yocum LA, 629
Yoneda M, 206
Yurkofsky J, 329, 478

Zlatkin MB, 153